

## **STIC Biotechnology Systems Branch**

### **RAW SEQUENCE LISTING** **ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/541,594  
Source: LF620  
Date Processed by STIC: 09/01/2006

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 4.4.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):  
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06

## Raw Sequence Listing Error Summary

<u>ERROR DETECTED</u>	<u>SUGGESTED CORRECTION</u>	SERIAL NUMBER: <u>10/541, 594</u>
ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE		
1 _____ Wrapped Nucleics _____ Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor <b>after</b> creating it. Please adjust your right margin to .3; this will prevent "wrapping."	
2 _____ Invalid Line Length	The rules require that a line <b>not exceed</b> 72 characters in length. This includes white spaces.	
3 _____ Misaligned Amino _____ Numbering	The numbering under each 5 <sup>th</sup> amino acid is misaligned. Do <b>not</b> use tab codes between numbers; use <b>space characters</b> , instead.	
4 _____ Non-ASCII	The submitted file was <b>not</b> saved in ASCII(DOS) text, as <b>required</b> by the Sequence Rules. <b>Please ensure your subsequent submission is saved in ASCII text.</b>	
5 _____ Variable Length	Sequence(s) _____ contain n's or Xaa's representing more than one residue. <b>Per Sequence Rules, each n or Xaa can only represent a single residue.</b> Please present the <b>maximum</b> number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.	
6 _____ PatentIn 2.0 _____ "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. <b>This applies to the mandatory &lt;220&gt;-&lt;223&gt; sections for Artificial or Unknown sequences.</b>	
7 _____ Skipped Sequences (OLD RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for <b>each</b> skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to <b>include</b> the skipped sequences.	
8 _____ Skipped Sequences (NEW RULES)	Sequence(s) _____ missing. If <b>intentional</b> , please insert the following lines for <b>each</b> skipped sequence. <210> sequence id number <400> sequence id number 000	
9 _____ Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is <b>MANDATORY</b> if n's or Xaa's are present. In <220> to <223> section, please explain location of <b>n</b> or <b>Xaa</b> , and which residue <b>n</b> or <b>Xaa</b> represents.	
10 _____ Invalid <213> _____ Response	Per 1.823 of Sequence Rules, the only <b>valid</b> <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is <b>required</b> when <213> response is Unknown or is Artificial Sequence. (see item 11 below)	
<del>11 _____ Use of &lt;220&gt;</del>	<del>Sequence(s) _____ missing the &lt;220&gt; "Feature" and associated numeric identifiers and responses. Use of &lt;220&gt; to &lt;223&gt; is MANDATORY if &lt;213&gt; "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in &lt;220&gt; to &lt;223&gt; section or use "chemically synthesized" as explanation. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32), also Sec. 1.823 of Sequence Rules</del>	
12 _____ PatentIn 2.0 _____ "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.	
13 _____ Misuse of n/Xaa	"n" can <b>only</b> represent a single <u>nucleotide</u> ; "Xaa" can <b>only</b> represent a single <u>amino acid</u>	



IFWO

## RAW SEQUENCE LISTING

DATE: 09/01/2006

PATENT APPLICATION: US/10/541,594

TIME: 10:39:45

Input Set : A:\275010.ST25.txt

Output Set: N:\CRF4\09012006\J541594.raw

3 <110> APPLICANT: Centre National de la Recherche Scient  
 4 Ecole Noramle Superieure  
 5 Prochiantz, Alain  
 6 Volovitch, Michel  
 7 Trembleau, Alain  
 8 Joliot, Alain  
 9 Dupont, Edmond

11 <120> TITLE OF INVENTION: Composition for intracellular transport of biological  
 particles  
 12 on macromolecules.

14 <130> FILE REFERENCE: 275010US0XPCT

16 <140> CURRENT APPLICATION NUMBER: 10/541,594

C--> 17 <141> **CURRENT FILING DATE: 2005-07-07**

19 <150> PRIOR APPLICATION NUMBER: PCT/FR03/03951

20 <151> PRIOR FILING DATE: 2003-12-31

22 <150> PRIOR APPLICATION NUMBER: FRANCE 03/00093

23 <151> PRIOR FILING DATE: 2003-01-07

25 <160> NUMBER OF SEQ ID NOS: 3

27 <170> SOFTWARE: PatentIn version 3.3

29 <210> SEQ ID NO: 1

30 <211> LENGTH: 16

31 <212> TYPE: PRT

32 <213> ORGANISM: Drosophila melanogaster

35 <220> FEATURE:

36 <221> NAME/KEY: MISC\_FEATURE

37 <222> LOCATION: (1)..(16)

38 <223> OTHER INFORMATION: Helix 3 of the pAntp homeodomain

40 <400> SEQUENCE: 1

42 Arg Gln Ile Lys Ile Trp Phe Gln Asn Arg Arg Met Lys Trp Lys Lys

43 1 5 10 15

46 <210> SEQ ID NO: 2

47 <211> LENGTH: 16

48 <212> TYPE: PRT

49 <213> ORGANISM: Artificial

51 <220> FEATURE:

52 <223> OTHER INFORMATION: Xaa's at positions 1, 2, 4, 9, 15 and 16 are nonhydrophobic  
 amino  
 53 acids. Xaa's at positions 3, 7 and 14 are hydrophobic amino  
 54 acids.

57 <220> FEATURE:

58 <221> NAME/KEY: misc\_feature

59 <222> LOCATION: (1), (2), (4), (9), (15) and (16)

60 <223> OTHER INFORMATION: Xaa is a nonhydrophobic amino acid

62 <220> FEATURE:

Does Not Comply  
 Corrected Diskette Needed

Cp9-1,2

7 of 2137 Responses are  
 Artificial or Unknown. Pls  
 explain the source  
 of genetic  
 material

See Item 11  
 on Error  
 Summary  
 Sheet.

63 <221> NAME/KEY: misc\_feature

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/541,594

DATE: 09/01/2006

TIME: 10:39:45

Input Set : A:\275010.ST25.txt

Output Set: N:\CRF4\09012006\J541594.raw

64 <222> LOCATION: (3), (7), and (14)  
 65 <223> OTHER INFORMATION: Xaa is a hydrophobic amino acid  
 68 <400> SEQUENCE: 2  
 W--> 70 Xaa Xaa Xaa Xaa Xaa Trp Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
 71 1 5 10 15  
 74 <210> SEQ ID NO: 3  
 75 <211> LENGTH: 16  
 76 <212> TYPE: PRT  
 77 <213> ORGANISM: Artificial  
 79 <220> FEATURE:  
 80 <223> OTHER INFORMATION: Xaa's at positions 1, 2, 8, 13, 15 and 16 are nonhydrophobic  
 81 amino acids. Xaa's at positions 3, 10 and 14 are hydrophobic  
 82 amino acids.  
 84 <220> FEATURE:  
 85 <221> NAME/KEY: misc\_feature  
 86 <222> LOCATION: (1), (2), (8), (13), (15) and (16)  
 87 <223> OTHER INFORMATION: Xaa is a nonhydrophobic amino acid  
 89 <220> FEATURE:  
 90 <221> NAME/KEY: misc\_feature  
 91 <222> LOCATION: (3), (10), and (14)  
 92 <223> OTHER INFORMATION: Xaa is a hydrophobic amino acid  
 94 <400> SEQUENCE: 3  
 W--> 96 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Trp Xaa Xaa Xaa Xaa Xaa  
 97 1 5 10 15

Pls explain  
 these locations.  
 (5, 8, 10, 11, 12,  
 and 13).

(4, 5, 6, 7, 9, 12)

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/541,594

DATE: 09/01/2006  
TIME: 10:39:46

Input Set : A:\275010.ST25.txt  
Output Set: N:\CRF4\09012006\J541594.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:2; Xaa Pos. 1,2,3,4,5,7,8,9,10,11,12,13,14,15,16  
Seq#:3; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,12,13,14,15,16

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:2,3

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/541,594

DATE: 09/01/2006

TIME: 10:39:46

Input Set : A:\275010.ST25.txt

Output Set: N:\CRF4\09012006\J541594.raw

L:17 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:70 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0

L:96 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0